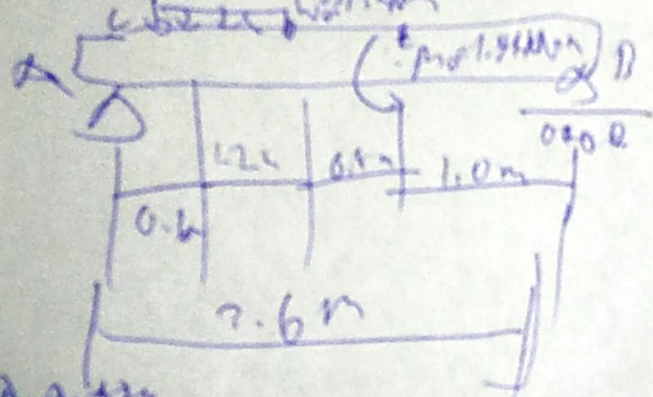


Dr. Harold Villanueva
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K. S. R. R. J. Q. Webb N. A. Br. Ref. Lab. Pub. 3



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from *Opuntia* sp.

$$E1 \frac{1}{4} = \frac{2.6}{2}x - \frac{1.2}{2}(x-0.6)^2 - \frac{1.5}{6}(x-0.6)^3 + \frac{1.5}{6}(x-1)^3$$

$$-1.44(x-2.5) + 6,$$

$$F8y = \frac{2.6}{6}x^3 - \frac{1.2}{6}(x-0.6)^3 - \frac{1.5}{24}(x-0.6)^4 + \frac{1.5}{24}(x-1.8)^4$$

$$= \frac{1.49}{2} (x-2.1)^2 + 4.2762$$

From boundary condition $x=0, y=0; x=2L, y=0$

450, 450

$$EI y(1.8) = \frac{2.6}{6} (1.8)^3 - \frac{1.2}{6} (1.8 - 0.6)^3$$

$$- \frac{1.5}{24} (1.8 - 0.6)^4$$

$$EI y(1.8) = y_D = 2.052 \text{ kN-m}^3$$

$$y_D = \frac{2.052 \text{ kN-m}^3}{EI}$$

$$\frac{[FL^3]}{\left[\frac{E}{L^2}\right][L]} = [L]$$

$$y_D = \frac{2.052 \text{ kN-m}^3}{EI}$$